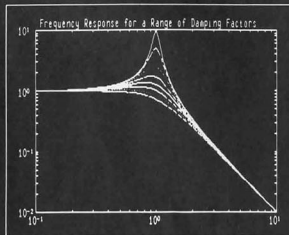


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PC-MATLAB is an interactive program for your IBM-PC that serves as a convenient "laboratory" for computations involving matrices. It provides easy access to matrix software developed by the LINPACK and EISPACK projects. The capabilities range from standard tasks such as solving simultaneous linear equations, inverting matrices, and eigenvalue problems, to fairly sophisticated matrix tools such as the singular value decomposition.



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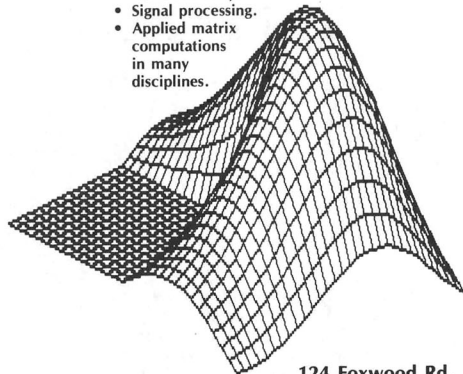
Free Literature

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Benchmarks

Calculation	PC-MATLAB with 8087	VAX/11/780 MATLAB with FPA, VMS	Ratio PC/VAX
50 x 50 real matrix multiply	10.1 s	12.5 s	0.8
50 x 50 real matrix inverse	23.6 s	11.6 s	2.1
50 x 50 complex matrix inverse	69.9 s	16.3 s	4.3
25 x 25 real eigenvalues	25.7 s	10.5 s	2.4
2048 point complex FFT	5.5 s	1.4 s	3.9
25 x 25 3-D plot	14.2 s	42.2 s	0.3